

Contact Information

C12 Energy LLC

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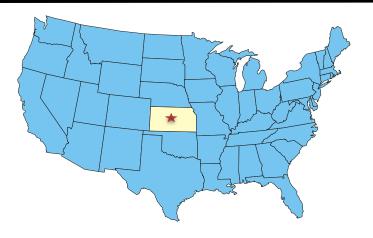


Overview of C12 Kansas Assets

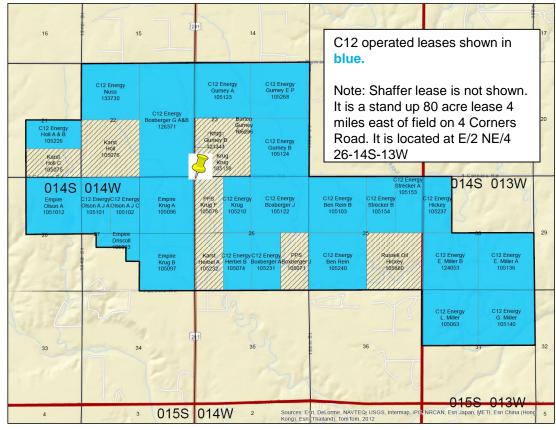
- 100+ BOPD production capability (8/8ths)
- 26 leases in large Hall Gurney Field; Acreage held by production
- Recovery to date: ~24.5 MMSTB; 44% of OOIP
- Stacked Pay
 - Lansing Kansas City, Tarkio, Gorham, Topeka, Toronto
- ~84% NRI and ~100% WI
- 128 wells:
 - 40 Producing
 - 32 Injection
 - 56 Shut-in for low oil prices (100% have been online in past year)
 - 0 Shut-in for mechanical integrity (low P&A liability)
- Identified improvement opportunities
 - Lower lease operating expense
 - Artificial lift optimization
 - Recomplete to horizons that have not been completed
 - Water flood optimization
 - CO2 EOR development



Field Location



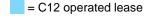






Hall Gurney Field Overview

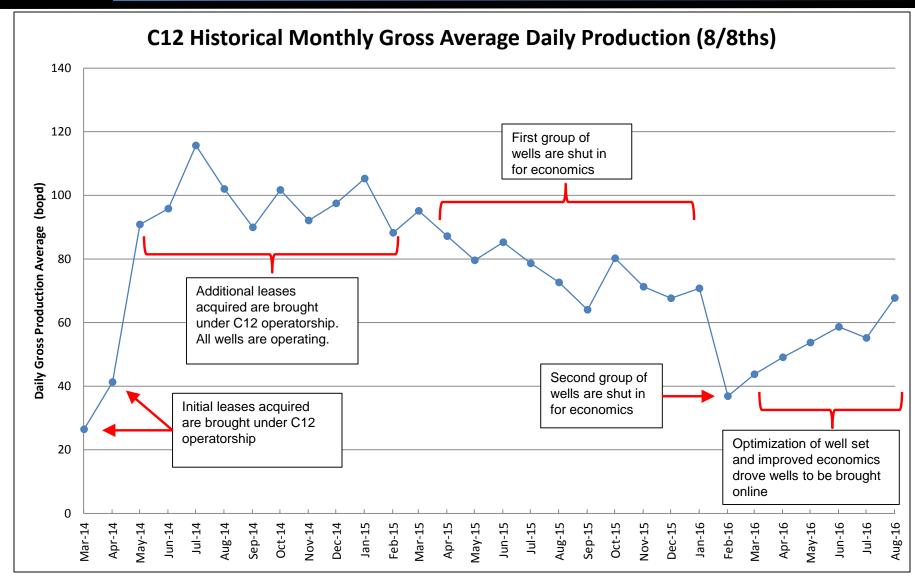
- Discovered 1931
- Initial primary production from solution gas drive
- Waterflood began in 1950's
- 48,880 acres (total field)
- Recovery to date ~ 163 mmboe (49% of OOIP)
- OOIP of 335 million bbls (total field)
- 7000+ wells have been drilled into the Hall Gurney
- Produces principally from Lower Kansas City "C" & "G" Zones
 - Oomoldic limestone at 3,000 ft depth
 - LKC C Zone ~10±5ft thick, Φavg = 10%±12% range 4%-30%, K=0.001-600 mD, Swi =0.11-1
 - LKC G Zone ~25+10 ft thick, Φavg = 12%+12%, K=0.001-600 mD, Swi =0.11-1





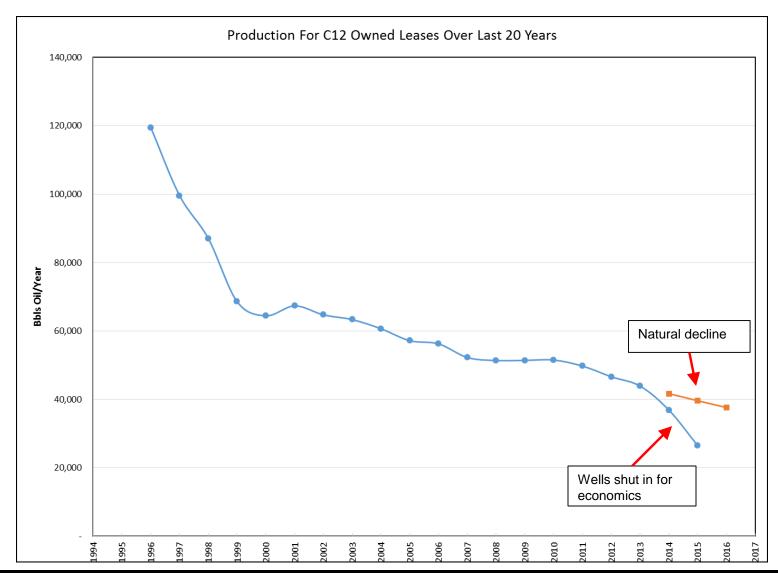


C12 Historical Monthly Gross Average Daily Production (8/8^{ths})





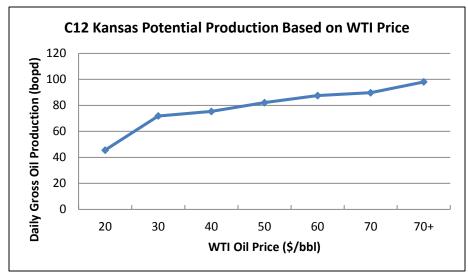
C12 Lease Historical Yearly Production

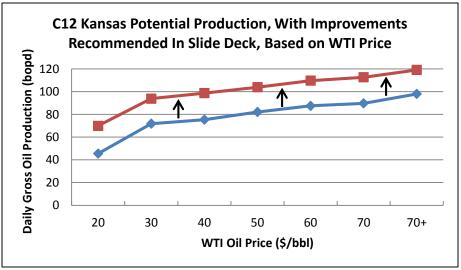




C12 Oil Production Pro Forma

- C12 Kansas well production is based on LOE and WTI spot price
 - ~48 wells are currently shut-in due to their individual economics at low oil price
 - Improvement in WTI price will allow for more wells to be brought online, increasing production and reducing LOE/bbl costs
- Chart on right shows how production will react to WTI price based on historical C12 LOE
 - Current improvements being made on LOE will shift more production to being economic at lower WTI prices
- Oil is produced to tank batteries on leases and trucked offsite when the tank is full
 - Oil marketer is Coffeyville Resources



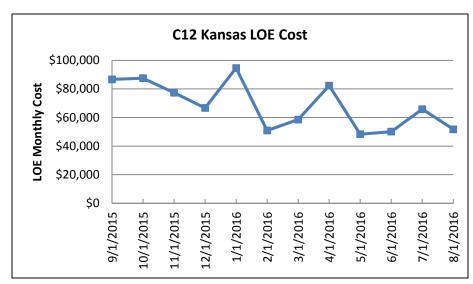


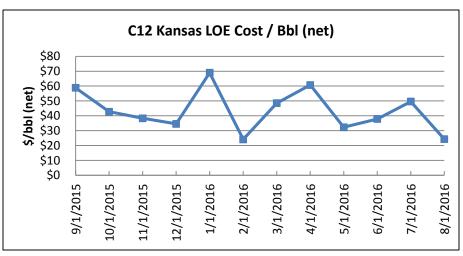


Lease Operating Expense

In 3Q 2015, C12 reduced LOE by:

- Reduced staff head count
 - Utilize local part-time help and contract pumping when needed
- Renegotiated contracts >\$2000
- Moved to single chemical vendor
- Shut-in uneconomic wells, reducing chemical and utility costs
- Investments
 - Fixing things right the 'first time'; reduce repeat failures
 - ID addl. opportunities to reduce LOE ~ <u>15%</u>

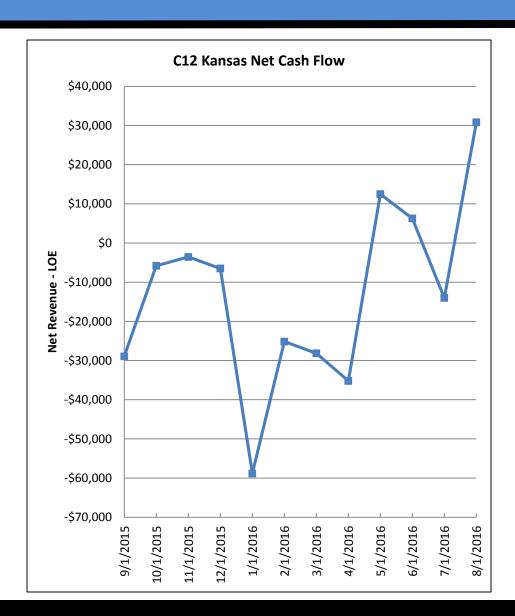






C12 Kansas Cash Flow

- In 3Q 2015, focus became maximizing cash flow, not total production
- Ensuring the right well set is online based upon individual well economics
 - Utilities and chemical costs have come down drastically while maintaining production
 - Have continued to optimize individual well operating costs
- Focus on optimizing wells over past year
 - Re-sheaving
 - Upsizing/downsizing pumps
 - TA'ing uneconomic wells
 - Optimizing rod designs to lengthen life of well between workovers
- Projected cash flow will increase with continued LOE reduction projects and development





Cash Flow Improvement Opportunities

- Convert Gurney A2 to injector (~2 bopd)
 - Gurney A & EP leases do not have water injection system
 - Water must be hauled for disposal
 - Application for conversion approved Aug '16
 - Expected cost \$15,000
 - Already have pump, pump house, flow lines
 - Expected LOE savings from eliminate water hauling ~ \$2000/month
 - Addl. 2 bopd (addl. \$2000+/month income)
 - Payback in ~4 months
- Re-complete Boxberger A #2 (~4 bopd)
 - Well is offset (660') from ~14 bopd Boxberger J#1
 - Boxberger J#1 has no decline over last 25 years and produces at~ 14 bopd
 - Expected production post re-completion is 4 bopd
 - Payback in ~ 1 year

- Acidize (+6 bopd)
 - Numerous wells not stimulated in decades
 - A review of wells indicates ~23 wells are acidizing candidates
 - Acid job cost = \$1600/well
 - Expected boost in production = 25%/well or 6 bond total
 - Payback is ~ 5 months
- Open up additional horizons available in current wellbores (+7 bopd)
 - Many wells have not been completed in all of their available horizons
 - Completing Topeka, Tarkio, and Lower LKC to the Crown Krug #4
 - Estimated benefit of 4.5 bopd and a payback of 5 months
 - Add perfs in the lower LKC in the Empire Krug A #6
 - Estimated benefit of 1.4 bopd and a payback of 1 month
 - Add perfs in upper LKC in the Empire Krug A #8
 - Estimated benefit of 1 bopd and a payback of 1 month



CO2 EOR Development Potential

Hall Gurney Post Rock Unit

Development Plan

- Obtain development approval of Hall Gurney Post Rock Unit owners:
 - Total Unit ~4200 acre; C12 acreage ~ 3320 acres
- Re-pressure reservoir to ~1200 psi (miscibility pressure ~ 1150 psi)
- Build 8 mile 4" CO2 pipeline transporting CO2 from Ethanol Plant in Russell, KS
 - CO2 Supply contracted w/ White Energy, 7.5 mmcf/d
 - Build CO2 capture facility at Ethanol Plant
- Build Central Processing Facility for fluid processing & recycle compression
 - FEED studies and some final engineering completed
- Install new field flowlines; workover wells as needed to implement CO2 EOR flood
- Full Field geomodel in Petrel; simulation models built in sectors, history matched.

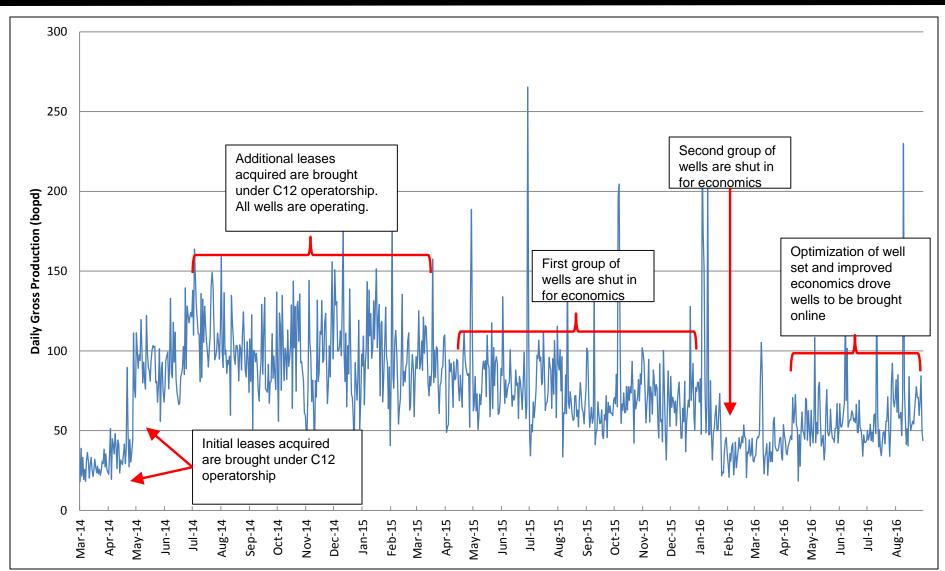
Reserves	11 mmboe (17% RF)
IRR	+30% at \$70/bbl WTI
NPV	\$70 MM at \$70/bbl WTI
Development Cost	84 MM (gross)



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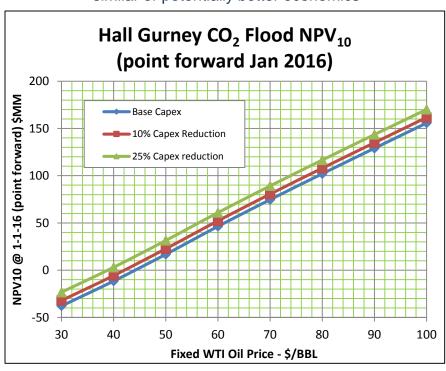
C12 Historical Monthly Gross Production (8/8ths)

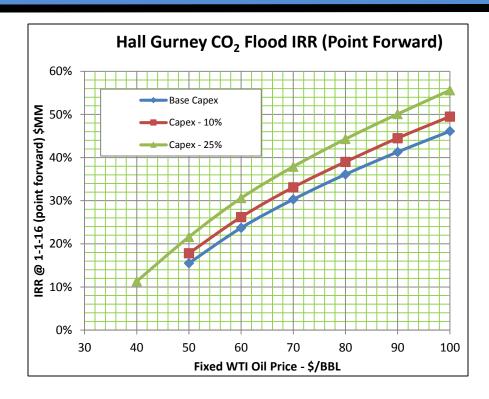




Proposed C12 Kansas CO₂ Project Economics

- Economics of CO₂ project are very strong at a range of oil prices
- Includes all the of the 'Postrock Unit', not all of which is owned by C12
 - Additional acreage or partnership would yield similar or potentially better economics

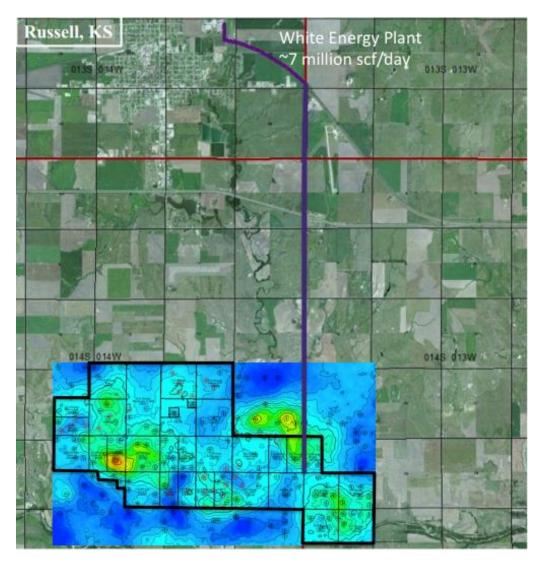




- Capex values for project were put together in 2015
 - Due to decline in oil prices, services and equipment have become less expensive in 2016
 - Ran additional economics for 10% and 25% savings on estimated capital to see how project returns are improved



Kansas Project - Hall Gurney Post Rock Unit

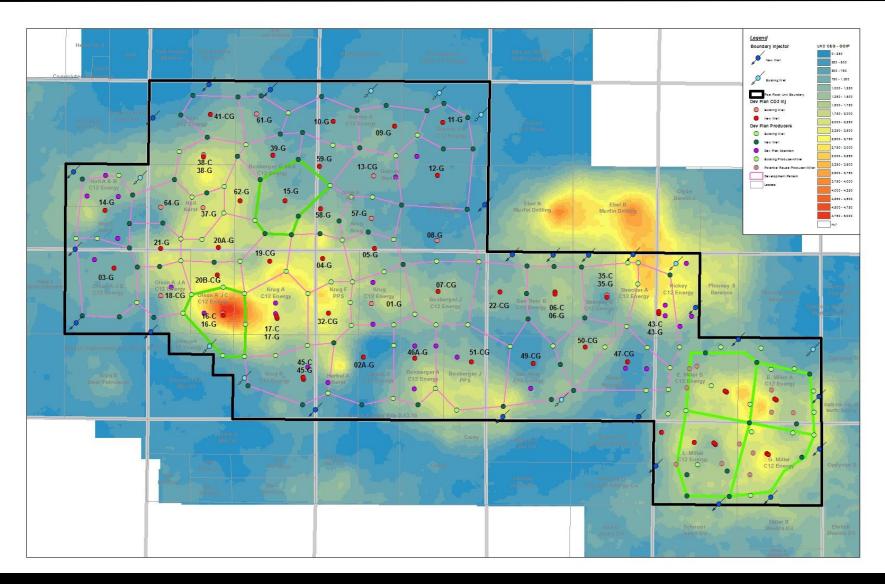


- Located south of Russell, KS (Central KS)
- Leases purchased Q4 2013
 Q3 2014
- Unit Area 4,200 acres
 - Includes leases not owned by C12
 - C12 owns ~3320 acres
- CO₂ Supply
 - White Energy Ethanol Plant
 - ~7 million scf/d
 - Compression on site
 - Pipeline 7.5 miles

	Potential Incremental
CO ₂ Flood	11 million bbls



Proposed C12 Kansas CO₂ Project – Hall Gurney Post Rock Unit





C12 WI/NRI Summary

Working Intere	est						
Well Code	Well Name		CAROLINA PROPERTIES, LLC	GCH OIL AND GAS LLC	GERALD RAUCH MARITAL TRUST	THREE M OIL COMPANY	Sum of WI
KS167L01 KS167L02	SHAFFER (LEASE LEVEL) GLM BOXBERGER A (LEASE LEVEL)	1.000000 1.000000					1.00000
KS167L02 KS167L03	GLM BOXBERGER J (LEASE LEVEL)	1.000000					1.00000
KS167L03	GLM BOABERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL)	1.000000					1.00000
KS167L04	GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL)	1.000000					1.00000
KS167L05	FINLEY OLSON A J A (LS LEVEL)	0.939957	0.021408	0.006290	0.006290	0.026055	1.00000
KS167L07	FINLEY OLSON A J C (LS LEVEL)	0.970828	0.021408	0.003250	0.003056	0.012659	1.00000
KS167L08	PROSP STRECKER A (LEASE LEVEL)	1.000000	0.010401	0.003030	0.003030	0.012039	1.00000
KS167L09	CARTER HERBEL B (LEASE LEVEL)	1.000000					1.00000
KS167L10	CROWN KRUG (LEASE LEVEL)	1.000000					1.00000
KS167L11	JHR BEN REIN (LEASE LEVEL)	1.000000					1.00000
KS167L11	GLM GURNEY A (LEASE LEVEL)	1.000000					1.00000
KS167L13	GLM GURNEY B (LEASE LEVEL)	1.000000					1.00000
KS167L13	GLM GURNEY B (LEASE LEVEL)	1.000000					1.00000
KS167L14 KS167L15	E MILLER A (LEASE LEVEL)	1.000000					1.00000
KS167L15		1.000000					
KS167L16 KS167L17	E MILLER B (LEASE LEVEL) L MILLER (LEASE LEVEL)	1.000000					1.000000
KS167L17 KS167L18	G MILLER (LEASE LEVEL)	1.00000					1.00000
KS167L18 KS167L19		1.000000					
KS167L19 KS167L20	HICKEY (LEASE LEVEL) PROSP STRECKER B (LEASE LEVEL)	1.000000					1.00000
KS167L20 KS167L21							1.000000
KS167L21 KS167L22	MID-CON HOLL A&B (LEASE LEVEL) EMPIRE KRUG A (LEASE LEVEL)	1.000000					1.000000
							1.000000
KS167L23	EMPIRE KRUG B (LEASE LEVEL)	1.000000					1.000000
KS167L24	EMPIRE DRISCOLL (LEASE LEVEL)	1.000000					
KS167L25	EMPIRE OLSON A J B (LS LEVEL)	1.000000					1.00000
Net Revenue I	Interest						
			C12 I		04		
Well Code	Well Name	Sum of Working Interest	C12 Kansas	Sum of Override Interest	Other Sum of Working Interest	Sum of Royalty Interest	Sum of NRI
Well Code	Well Name	Sum of Working Interest	Sum of Royalty Interest	Sum of Override Interest	Sum of Working Interest	Sum of Royalty Interest	Sum of NRI
KS167L01	SHAFFER POW	0.820312400	Sum of Royalty Interest 0.000000000	0.000000000	Sum of Working Interest 0.000000000	0.179687600	1.00000000
KS167L01 KS167L02	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL)	0.820312400 0.875000000	Sum of Royalty Interest 0.000000000 0.000195300	0.000000000 0.000000000	Sum of Working Interest 0.000000000 0.000000000	0.179687600 0.124804700	1.00000000 1.00000000
KS167L01 KS167L02 KS167L03	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL)	0.820312400 0.875000000 0.875000000	Sum of Royalty Interest 0.000000000 0.000195300 0.000429600	0.000000000 0.000000000 0.0000000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000	0.179687600 0.124804700 0.124570400	1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000	Sum of Royalty Interest 0.00000000 0.000195300 0.000429600 0.000000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000	1.00000000 1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000	Sum of Royalty Interest 0.00000000 0.00019530 0.00042960 0.00000000 0.000000000	0.000000000 0.000000000 0.00000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.325000000	1.00000000 1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.771768200	Sum of Royalty Interest 0.00000000 0.000195300 0.000429600 0.000000000 0.000000000 0.000000000	0.000000000 0.000000000 0.00000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.325000000 0.178932440	1.00000000 1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L07	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.771768200 0.705330017	Sum of Royalty Interest 0.00000000 0.000195300 0.000429600 0.000000000 0.000000000 0.0000000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.325000000 0.178932440 0.273475820	1.00000000 1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L07 KS167L08	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) PROSP STRECKER A (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.771768200 0.705330017 0.775000000	Sum of Royalty Interest 0.00000000 0.00019330 0.00042960 0.00000000 0.00000000 0.00000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.325000000 0.178932440 0.27347582 0.219516250	1.00000000 1.00000000 1.00000000 1.00000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L07 KS167L08 KS167L09	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL) PROSP STRECKER A (LEASE LEVEL) CARTER HERBEL B (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.875000000 0.771768200 0.705330017 0.775000000 0.875000200	Sum of Royalty Interest 0.00000000 0.000195300 0.000429600 0.000000000 0.000000000 0.000000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.125000000 0.178932446 0.273475820 0.219516250 0.124023300	1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
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KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L07 KS167L07 KS167L08 KS167L09 KS167L10 KS167L11	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL) PROSP STRECKER A (LEASE LEVEL) CARTER HERBEL B (LEASE LEVEL) CROWN KRUG (LEASE LEVEL) JHR BEN REIN (LEASE LEVEL) GLM GURNEY A (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.7711768200 0.7755000000 0.875000200 0.8875000200 0.875000000 0.875000000 0.875000000 0.875000000	Sum of Royalty Interest 0.00000000 0.00019530 0.00042960 0.00000000 0.00000000 0.00000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124870400 0.125000000 0.325000000 0.378932446 0.273475820 0.219516250 0.124023300 0.183203000 0.1250000000 0.1250000000 0.1875000000	1.00000000 1.00000000 1.00000000 1.00000000
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KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L06 KS167L09 KS167L09 KS167L10 KS167L11 KS167L11 KS167L11 KS167L12 KS167L13 KS167L14 KS167L15	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL) PROSP STRECKER A (LEASE LEVEL) CARTER HERBEL B (LEASE LEVEL) JHR BEN REIN (LEASE LEVEL) JHR BEN REIN (LEASE LEVEL) GLM GURNEY A (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) E MILLER A (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.771768200 0.775330017 0.775000000 0.875000200 0.816797000 0.875000000 0.875000000 0.875000000 0.8125000000 0.875000000 0.875000000	Sum of Royalty Interest 0.000000000 0.00019330 0.00042960 0.000000000 0.000000000 0.000000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124570400 0.125000000 0.325000000 0.178932446 0.273475820 0.219516250 0.124023300 0.183203000 0.125000000 0.125000000 0.125000000 0.1250000000 0.1250000000 0.12500000000000000000000000000000000000	1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L07 KS167L09 KS167L09 KS167L10 KS167L11 KS167L11 KS167L11 KS167L12 KS167L13 KS167L14 KS167L15 KS167L15	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL) PROSP STRECKER A (LEASE LEVEL) CARTER HERBEL B (LEASE LEVEL) CROWN KRUG (LEASE LEVEL) GLM GURNEY A (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) E MILLER A (LEASE LEVEL) E MILLER B (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.771768200 0.7755000000 0.875000200 0.875000200 0.875000000 0.875000000 0.875000000 0.875000000 0.875000000 0.875000000	Sum of Royalty Interest 0.00000000 0.00019530 0.00042960 0.00000000 0.00000000 0.00000000 0.000548375 0.0007650 0.00000000 0.00000000 0.00000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124870400 0.125000000 0.325000000 0.178932446 0.273475820 0.219516250 0.124023300 0.183203000 0.125000000 0.187500000 0.187500000 0.125000000 0.1250000000 0.1250000000 0.12500000000000000000000000000000000000	1.00000000 1.00000000 1.00000000 1.00000000
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KS167L01 KS167L02 KS167L03 KS167L04 KS167L05 KS167L06 KS167L06 KS167L07 KS167L09 KS167L10 KS167L11 KS167L11 KS167L12 KS167L12 KS167L12 KS167L13 KS167L14 KS167L14 KS167L14 KS167L15 KS167L15	SHAFFER POW GLM BOXBERGER A (LEASE LEVEL) GLM BOXBERGER J (LEASE LEVEL) GLM NUSS (LEASE LEVEL) GLM - G BOXBERG (LEASE LEVEL) FINLEY OLSON A J A (LS LEVEL) FINLEY OLSON A J C (LS LEVEL) PROSP STRECKER A (LEASE LEVEL) CARTER HERBEL B (LEASE LEVEL) CROWN KRUG (LEASE LEVEL) GLM GURNEY A (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) GLM GURNEY B (LEASE LEVEL) E MILLER A (LEASE LEVEL) E MILLER B (LEASE LEVEL)	0.820312400 0.875000000 0.875000000 0.875000000 0.675000000 0.771768200 0.7755000000 0.875000200 0.875000200 0.875000000 0.875000000 0.875000000 0.875000000 0.875000000 0.875000000	Sum of Royalty Interest 0.00000000 0.00019530 0.00042960 0.00000000 0.00000000 0.00000000 0.000548375 0.0007650 0.00000000 0.00000000 0.00000000 0.000000	0.000000000 0.000000000 0.000000000 0.000000	Sum of Working Interest 0.000000000 0.000000000 0.000000000 0.000000	0.179687600 0.124804700 0.124870400 0.124570400 0.125000000 0.325000000 0.178932446 0.273475820 0.219516250 0.124023300 0.125000000 0.125000000 0.125000000 0.125000000 0.125000000 0.125000000 0.125000000 0.1250000000 0.1250000000 0.1250000000 0.12500000000000000000000000000000000000	1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000
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